

**EXTENDED FREQUENCY ERROR CORRECTING
IN A WIRELESS COMMUNICATION RECEIVER**

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ABSTRACT

A method (200) and apparatus (900) for correcting frequency errors of received signals in a wireless communication receiver are disclosed. The wireless communication device (900) receives (204) a signal; correlates (206) the received
10 signal with the plurality of offset prestored data sets; generates (208) at a predetermined data rate interval a plurality of signal correlations where each of the plurality of correlations is correlated to each of the plurality of offset prestored data sets; and computes (210) a frequency error estimate based upon the plurality of signal correlations.